

PUGET SOUND AIR POLLUTION CONTROL AGENCY

ENGINEERING DIVISION

110 Union Street, Suite 500 - Seattle, WA 98101-2038

Telephonė: (206) 689-4052

Notice of Construction and Application for Approval

FOD	BA CUE	o complete	items 39, 40, 41, & 43	nefore	(AGEN	CYUSEON	LY) ·
FIIK			items 33, 40, 41, & 43	1016	A1E	_ N/C NUM	BER
\$11	OE 1 SUDMITTIN	ig Form P.		ŗ	REG. NO	_VAR. NO.	
					SIC. NO		
					BRID NO	01%	
1. TYPE OF	BUILDING IChecki 2. ST	ATUS OF E	DUIPMENT (Check)	7. APPLICA	ANT		
D New	D Existing 25 New	v □ Existing	O Altered O Relocation				*
	NY IOR OWNER NAME			B APPLIC	ANT ADDRESS		
				o. A. Lic.			
ASII C	Grove Cement Comp	any					
4. COMPA	NY LOR OWNER MAILING AL	DORESS		9. INSTAL	ATION ADDRESS .	-	
4. SOMPANY TOR OWNER MAILING ADDRESS 3801 East Marginal Way South				same			
Seattle, WA 98134				· · · · · · · · · · · · · · · · · · ·			
5. NATURE OF BUSINESS 10. TYPE OF PROCESS							
Manut	Manufacturer of Portland Cement						
	FALLIBATION						
	EQUIPMEN	I (ENTER	ONLY NEW EQUIPMENT	OR CHAN	GES. ENTER NUMBER OF	UNITS OF	
	EOUIP	MENT IN C	OLUMN 'NO. OF UNITS.'	COMPLET	E FORM 'S' FOR EACH EI	VIRY.)	
	SPACE HEATERS OR						
11. NO.	BOILERS	14. NO.	OVENS	15. NO. OF UNITS	MECHANICAL EQUIP.	16. NO.	MELTING FURNACES
OF UNITS	(Complete Form S-A)	OF UNITS		OF UNITS		01 0.4113	
(a)		(8)	CORE BAKING OVEN	(8)	AREAS	(a)	POT
				7	100 000000		
12. NO.	INCINERATORS	(p)———	PAINT BAKING	101	BULK CONVEYOR .	(6)	REVERBERATORY
OF UNITS	(Complete Form S-B)	(c1———	PLASTIC CURING	(c)	CLASSIFIER	(c)	ELECTRIC INOUC/RESIST
(8)		10)	LITHO COATING OVEN	(6)	STORAGE BIN	101	CRUCIBLE
	OTHER SYSTEMS	(e)	DRYER	(e)	BAGGING	1e)	CUPOLA
13. NO. OF UNITS	OTHER STSTEMS						
		(*1	ROASTER	111	OUTSIDE BULK STORAGE	(1)	ELECTRIC ARC
(2)	DEGREASING, SOLVENT	(01	KILN	(0)	LOADING OR UNLOADING	(0)	SWEAT .
(b)	ABRASIVE BLASTING	IP)	HEAT - TREATING	(5)	BATCHING	(0)	OTHER METALLIC
(c)	OTHER - SYSTEM	(1)	OTHER	(+)	MIXER (SOLIDS)	(1)	GLASS .
	DIREK - STSTEM						
(0)		(1)		ω <u>_1</u>	OTHERfeeder	(1)	OTHER NON METALLIC
17. NO.		17. NO.		17. NO.		18. NO.	
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		1					
OF UNITS	CHEMICAL MILLING	(1)	GALVANIZING	OF UNITS	ASPHALT BLOWING	OF UNITS	SPRAY PAINTING GUN
		1					SPRAY PAINTING GUN
(a)	CHEMICAL MILLING PLATING	(r)	GALVANIZING IMPREGNATING	(k)	ASPHALT BLOWING CHEMICAL COATING	(6)	SPRAY BOOTH OR ROOM
(a)	CHEMICAL MILLING PLATING DIGESTER	(f)	GALVANIZING IMPREGNATING MIXING OR FORMULATING	(k) (l)	ASPHALT BLOWING CHEMICAL COATING COFFEE ROASTER	(b)	SPRAY BOOTH OR ROOM FLOW COATING
(a)	CHEMICAL MILLING PLATING DIGESTER DRY CLEANING	(r)	GALVANIZING IMPREGNATING	(k)	ASPHALT BLOWING CHEMICAL COATING COFFEE ROASTER SAWS & PLANERS	(6)	SPRAY BOOTH OR ROOM FLOW COATING FIBERGLASSING
(a)	CHEMICAL MILLING PLATING DIGESTER	(f)	GALVANIZING IMPREGNATING MIXING OR FORMULATING	(k) (l)	ASPHALT BLOWING CHEMICAL COATING COFFEE ROASTER	(b)	SPRAY BOOTH OR ROOM FLOW COATING
(a)	CHEMICAL MILLING PLATING DIGESTER DRY CLEANING FORMING OR MOLDING	(9) (b) (h)	GALVANIZING IMPREGNATING MIXING OR FORMULATING REACTOR STILL	(n)	ASPHALT BLOWING CHEMICAL COATING COFFEE ROASTER SAWS & PLANERS STORAGE TANK	(a)	SPRAY BOOTH OR ROOM FLOW COATING FIBERGLASSING
(a)	CHEMICAL MILLING PLATING DIGESTER DRY CLEANING FORMING OR MOLDING	(9) (b) (h)	GALVANIZING IMPREGNATING MIXING OR FORMULATING REACTOR STILL IENTER NUMBER OF L	(K)	ASPHALT BLOWING CHEMICAL COATING COFFEE ROASTER SAWS & PLANERS STORAGE TANK OUIPMENT IN SPACES IN C	(a)	SPRAY BOOTH OR ROOM FLOW COATING FIBERGLASSING
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(a)	CHEMICAL MILLING PLATING DIGESTER DRY CLEANING FORMING OR MOLDING CONTRO! CONTRO! CONTRO! SPRAY CURTAIN CYCLONE MULTIPLE CYCLONE INERTIAL COLL. — OTHER	(1)	GALVANIZING IMPREGNATING MIXING OR FORMULATING REACTOR STILL IENTER NUMBER OF L COMPLETE A FORM CONTROL DEVICE AIR WASHER WET COLLECTOR VENTURI SCRUEBER	(K)	ASPHALT BLOWING CHEMICAL COATING COFFEE ROASTER SAWS & PLANERS STORAGE TANK OUIPMENT IN SPACES IN CHENTRY.) CONTROL DEVICE ABSORBER ADSORBER FILTER PADS AFTERBURNER	(a)	SPRAY BOOTH OR ROOM FLOW COATING FIBERGLASSING OTHER CONTROL DEVICE DEMISTER BAGHOUSE ELEC. PRECIPITATOR OTHER
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Notice of Construction Application FORM P STACKS OR VENTS (LIST NUMBER, TYPE, AND SIZE OF VENT) DIMENSIONS TINCHEST 32. HEIGHT ABOVE 33. VOLUME 31, NO. DESCRIPTION EXHAUSTED (ACFM) OF UNITS OF OPENING GRADE IFY.1 34. LENGTH (OR DIAM) 35. WIDTH STACKS FLUES 101 6" 750 CFM 6" PROCESS OR GENERAL EXHAUST 101 PROCESS OR GENERAL VENTS SKYLIGHT OR WINDOW EXHAUST HOOD (f) OTHER FLOW DIAGRAM FLOW DIAGRAM INSTRUCTIONS: (a) FLOW DIAGRAM MAY BE SCHEMATIC. ALL EQUIPMENT SHOULD BE SHOWN WITH EXISTING EQUIPMENT SO INDICATED. (b) SHOW FLOW DIAGRAM OF PROCESS STARTING WITH RAW MATERIALS USED AND ENDING WITH FINISHED PRODUCT. (c) IF MORE THAN ONE PROCESS IS INVOLVED TO MAKE FINISHED PRODUCT, SHOW EACH PROCESS AND WHERE THEY MERGE. (d) INDICATE ALL POINTS IN PROCESS WHERE GASEOUS OR PARTICULATE POLLUTANTS ARE EMITTED. (e) FLOW CHART CAN BE ATTACHED SEPARATELY IF NECESSARY. (DRAWINGS MAYBE SUBMITTED INSTEAD IF DESIRED). (1) SHOW PICKUP AND DISCHARGE POINTS FOR HANDLING DR CONVEYING EQUIPMENT, see attached ; 37. LIST OF ATTACHMENTS AND ACCOMPANYING DAYA OR COMMENTS PLAN Equipment Schedule Form R Flow Sheet Form S Environmental Checklist General Arrangement Dust Collector Drawing Narrative Description 1, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THIS APPLICATION AND THE ACCOMPANYING FORMS. ---- PLANS, AND SUPPLEMENTAL DATA DESCRIBED HEREIN IS, TO THE BEST OF MY KNOWLEDGE, ACCURATE AND COMPLETE. 2/10/94 41. TYPE OR PRINT NAME 42. TITLE Ralph C. Jones Plant Engineer

AGCS2M002316

PUGET SOUND AIR POLLUTION CONTROL AGENCY (Suite South Seattle, Washington 98101-2038 (206) 689-4052

NOTICE of CONSTRUCTION & APPLICATION for APPROVAL

FOR BASIC PROCESS EQUIPMENT.

For Agency Use: Dates

N/C#

*Note: Information required by Section 1a must be completed for this form to be accepted for review.

	OF MINDS AND PROGRESS CONTINUES OF		•	<u> </u>
1	a. Complete the Sections Indicated 7 []7	2 [] 3 [] 4 [] 5 [] 6 8 [] 9 [] 10 [] 11 [] 12	b. Company (or owner) Installation Av Seattle, WA 98134	y South
	c. Company (or owner) Name		d. Applicant	
	"Ash Grove Cement Co	mpany		
- 1	c. Prepared by (name and title)		f. Prepared by (signature)	g. Phone
	Ralph C. Jones, P.E	., Plant Engineer		(206)623-5596
-2	* PROCESS EQUIPMENT	b. Title fly ash storage silo	c. Make & Model	d. Dimensions (LxWxH) 14'0 X 64'
	e. # of Units; Rated Capacity 150 tons	C	g. Auxiliary Equipment	h. Connected to:
3	В.	b.	c.	d. ·
	с.	ſ.	g. Equipment	h. Connected to:
4	a. BURNERS	b. Type of Burner, Fuel	c. Make & Model	d. Rated Capacity
	e. # of Units; Ignition Method	f.	g CFM Exhausted (Temperature)	h. Connected to:
-5	STACKS, VENTS, AND EXHAUST OPENINGS	b. Type of Vent bag house	c. Dimensions 33" x 33"	d.
	e. # of Vents; Material of Construction -(1)	f.	g. CFM Exhausted (Temperature) 750 (100°F)	h. Connected to: storage silo
6	* TANKS AND KETTLES	b. Type of Tank, Material	c. Dimensions (LxWxH) in inches	d. Surface Area (sq. st.) [] Closed [] Open
	e. # of Tanks; Material of Construction	f.	g. Auxiliary Equipment	h. Connected to:
7	a. FANS	b. Type of Fan (designate blade) paddle wheel	c. Make & Model day '	d. Motor Data 1800 RPM 1 HP
	e. # of Fans: Material of Construction	ſ.	g CFM Exhausted (Temperature) 750 (100°F)	h. Connected to: baghouse
8	a OVENS & FURNACES	b. Type of Oven or Furnace	c. Make & Model	d. Rated Capacity
	e. # of Ovens or Furnaces; Material of Construction	f.	g. CFM Exhausted (Temperature) ———————————————————————————————————	h. Connected to:
و-	a. OPERATIONAL DATA	b. Type of Operation [] Batch [X] Continuous	e. Operating Schedule (normal) Shifts/Day: [^X] 1 [^X] 2 [^X] 3	d. Mode of Operations [] Manual K] Auto [] Seml-Auto
	c. Duration of Batch (hrs/batch)	ſ.	g. Daily # of Batchesavgmax	h-192 TPD max cap 96 TPD expected
10		b. Type of Conveyor (pneumatic, bolt) pneumatic	c. Make & Model 3"O screw pump	d. Capacity 8 TPH
	e. Dimensions (LxWxH)	f.	g. # of Pickups # of Discharge Points 1 1	h. Connected to: raw grinding mill
11	a. GAS FLOW	b. Actual CFM	c. SCFM (Reg I Standard)	d. Temperature (°F) In Out
	e. Pressure Drop	f. Efficiency	g Inlet and Outlet Pollutant Concentrations	h.
12	a. ADDITIONAL DATA	b. [] Attach Brochure	c.[] Attach Plans/Specs	d. [] Attach Emission Estimate (show calculation)
	e. M Sylomit Narrative Description of Process	f. [] Submit Source Test Data	g. [] Submit Modeling Data	h. [] Attach Schedule of Equipment with Make, Model, Capacity
	I. []	j.[]	k.[]	r[]

PUGET SOUND AIR POLLUTION CONTROL AGENCY

Engineering Division In 110 Union Street, Room 500 Seattle, Washington 98101-2038 (206) 689-4052

NOTICE of CONSTRUCTION & APPLICATION for APPROVAL

FOR AIR POLLUTION CONTROL EQUIPMENT ONLY

For Agency Use:		
Dates	N/C#	•

*Note: Information required by Section 1a must be completed for this form to be accepted for review.

1	a. Complete the Sections Indicated [] 1 [] 7		1 15 M6 1 111 M12	b. Company (or owne 3801 East N Seattle, WA	r) Installation Add Marginal Wa Margin34	y South
	c. Company (or owner) Name			d. Applicant		
	Ash Grove Cement	Company				
	e. Prepared by (name and title)	Plant		f. Prepared by (signat	ure)	g. Phone
	Ralph C. Jones,		neer			(206)623-5596
2	a. AIR POLLUTION CONTROL EQUIPMENT	b. Type of Equipme	nt	c. Make & Model		d. Dimensions (LxWxH)
	e. Number of Units	f. Capacity		g. Auxiliary Equipmen	nt	h. Connected to:
3	a. BAGHOUSE	b. Number of Bags		c. Shaking Cycle (auto	or manual	d. Cloth Area
	NAMES OF THE PERSON OF T		16	@ 30 Second 1	ntervals	159 sq. ft.
	e. Material Used	f. used to d	edust	g. Air-to-Cloth Ratio	(ft/minute)	h. Connected to:
	polyester	storage b	ín ·	$4.7 \frac{\text{cm}}{\text{sg}}$		storage silo
4	a. ELECTROSTATIC PRECIP.	b. Electrode Separa	ion ((t)	c. Coll. Electrode Din	nensions LxW (ft)	d. Mean Velocity of Gas (ft/sec)
	c. Area (sq [1)	f. Voltage	_	g, Coll. Electrode or I	Plate Area (sq ft)	h. Connected to:
5	a. BURNERS	b. Type of Burner, F	rue!	c. Make & Model		d. Rating
_	BURITERS					
	e. Number of Units; Ignition	ľ.		g. CFM Exhausted ((emperature) (F)	h, Connected to:
6	a. STACKS, VENTS	b. Type of Vent		c. Dimensions (LxWx	H)	d. Dampers
•	<u>.</u>					
	e. No. of Vents; Material Used	ſ.		g. CFM Exhausted (h. Connected to:
>					°F)	
7	a. SCRUBBERS	b. Type of Flow (spr	ay, bubbler)	c. Packing Type/Size		d. Pressure Drop (inches of water)
	e. Composition of Solution	ſ,		g. Flow Rate (GPM)		h. Make-Up (GPM)
0	a, 2,110	b. Type of Fan (desi	anate blade)	c. Make & Model		d. Motor Data
8	" FANS	paddle wh		day		1800 RPM 1 HP
	c. Number of Fans; Material Used	paddie wi		g. CFM Exhausted (1	C (C) (C))	h. Connected to:
	(1) mild steel	mounted on	hadhouse	750 (100_°F)	baghouse
_	B	b. Type of Cyclone		c. Make & Model	100.17	d. Inlet Area (sq [1)
9	" CYCLONES		Multiclone	C. Make & Model		d. Inici Area (sq II)
	e. Number of Units; Material Used		Outlet Dia. (in.)	g. Body Height (in.)	Efficiency	h. Connected to:
		, (,	2 ()	6 / ···· 6 ··· (····)		
(0)	a. COLL COLLON	h. Description of Co	llected Mail	c. Amount Collected ((lbs/day)	d. l'article Size (microns avg.)
9	" COLLECTION DATA	coal fly a		0.4 1b/day		37 micron
	c. Types of Pollutants [] Gas	fan will r		g. Collection Efficience		h. Disposition of Collection Waste
	M Particulate [] Odor	or less per		99.99%	,	return to silo
,	9	b. Actual CFM		c. SCFM (Reg I Stand	lard)	d. Temperature (°F)
1	". GAS FLOW	2.7Kitai C174		c. oca m (neg i otane		In Out
	e. Pressure Drop	f. Efficiency		g. Inlet and Outlet Po	llutant	h.
	- 100 HE 200 LINE S TO THE			g. Inlet and Outlet Po Concentrations		[""
,		× 1/1	(if 2)	1/1		11/2
-	a. ADDITIONAL DATA	b. [/] Atlach Broch	urdijany!)	c. [/] Attach Plans/S	pccs	d. [1] Attach Emission Estimate (show calculation)
	c. [2] Submit Narrative Description of Process	f. [v] Submit Source	: Test Data	g. [] Suhmit Modeli	ng Data	h. [1] Attach Schedule of Equipment with Make, Model, Capacity
Ì	L []v	i-[]		k. []		I. []
L						

ASH GROVE CEMENT COMPANY

PROJECT: FLY ASH BIN JOB NO: DATE: 2/10/94 BY: R. JONES PAGE 1 OF 1

FLY ASH BIN EQUIPMENT SCHEDULE

- 1. BIN VENT DUST COLLECTOR, DAY 16PJDG W FAN
- 2. BLOWER, MD PNEUMATICS 4012-4763
- 3. BLOWER, MD PNEUMATICS 3206-4763
- 4. SCREW FEEDER, MARTIN 6" \$ x 8:0" LG
- 5. FLY ASH PUMP, 3" D SCREW TYPE PHEUMATIC
- 6. BIN, 150 TON.

NAPATIVE DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO PROVIDE A MEANS OF INTROPUCING FLY ASH AS A RAW MATERIAL INTO THE CEMENT KILM RAW FEED. A 150 TON STORAGE BIN WILL BE PLACED ALONGSIDE THE EXISTING CLINKER STORAGE SILOS.

FLY ASH WILL BE RECEIVED BY PNEUMATIC TANKER TRUCKS.

INTO THE 150 TON BIN, FLY ASH WILL BE METERED FROM THE TANK BY A DUST TIGHT SCREW FEEDER INTO A PNEUMATIC CONVEYING SYSTEM. THE PNEUMATIC CONVEY LINE WILL DELIVER THE FLY ASH INTO THE EXISTING RAW GRINDING MILL, DEDUSTING OF THE STORAGE BIN IS BY A 750 CFM FABRIC FILTER DIN VENT, DEDUSTING AT THE MILL IS BY THE EXISTING MAIN BAGHOUSE.

CALCULATION OF DUST LOAD

750 CFM (.02 GRAINS/CFM) (1 LBS) (60 MIN) (3 HR) = 0.4 LB/DAY

3801 EAST MARGINAL WAY SOUTH • SEATTLE, WA 98134 • PLANT OFFICE: (206) 623-5596 • FAX: (206) 623-5355

PUGET SOUND AIR POLLUTION CONTROL AGENCY 110 Union Street, Suite 500 Seattle, Washington 98101 ENVIRONMENTAL CHECKLIST

WAIT - You may not need to fill out the attached checklist. Please read and check the following:

Because of the State Environmental Policy Act, the action for which you are filing a Notice of Construction and Application for Approval to this Agency requires the completion of an environmental checklist.

BUT: If you can answer "yes" to either of the following questions with respect to the action being proposed, the attached ch

1.	I have obtained a State, City or County Permit and filled out an environmental checklist.
	Yes X No
	If you answered "yes", give State, City or County Department and date, and attach a copy of the chec
2.	An environmental checklist or assessment has previously been filled out for another agency.
	Yes X No
	If "yes", give agency and date, and attach a copy of the checklist.
ıswe	r to both of the above questions was "no", you must fill out the attached environmental checklist.
nswe	
nswe	r to both of the above questions was "no", you must fill out the attached environmental checklist.

1f

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic areas," respectively.

TO BE COMPLETED BY THE APPLICANT

A.	BACKGROUND	

٠,		•		
Name of applicant: Ash	Grove Cemen	t Company		
Address and phone number of	f applicant and	contact person:		ξ.
Name: Ralph C. Jone	es, P.E.	_ Title: Pla	nt Engineer	
Firm: Ash Grove Cem	ent Co.	Telephone: (2	06) 623-5596	, E
PO Box/Street: 3801 Ea	st Marginal	Way South	· * .	
City/State/Zip: Seattle	, WA 98134		., . %	:
Date checklist prepared:	February 9,	1994		
Agency requesting checklist:				
Proposed timing or schedule	(including phas	ing, if applicable):		
installation is plan	ned for ear	ly March		*
start-up is anticipa				
	.			
Do you have any plans for fu with this proposal? If yes, exp		expansion, or furt	ner activity related t	o or conne
no *				

Puget Sound Air Pollution Control Agency

110 Union Street, Suite 500 Seattle, Washington 98101 Telephone: (206) 343-8800 1-800-552-3635

Date: 2-10-94

Proponent:	Ash Grove Cemen	t Company
Project, Brief Title:	Fly Ash Bin and	Feeder

ENVIRONMENTAL CHECKLIST

Purpose of Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

ierreng:

Ging County Educate County Presta County Shohomish Count

Ants J. Frankal, Air Pollution Central Officer

BOARD OF DIRECTORS

Win Granhmid, Commissiones Sitsop County Firn Hill, King County Esocutive Print Hulley, Councilmen Snotweeth County Pers Kinch, Mayor Everett

Darlens Medenwald, Marrisos at Large
Laus Merson, Mayor Bremenon

Horm Ros, Meyer Search Joe Startini, Parce County Executive

-	
25	environmental checklist prepared in December 1988 for construct
- 01	the plant is directly related to this proposal.
	· · · · · · · · · · · · · · · · · · ·
	know whether applications are pending for governmental approvals of other proposaffecting the property covered by your proposal? If yes, explain.
no	
D.	*
	· · · · · · · · · · · · · · · · · · ·
•	
List any	government approvals or permits that will be needed for your proposal, if known.
none	
	·
	·
	lef, complete description of your proposal, including the proposed uses and the size of
	and site. There are several questions later in this checklist that ask you to describe cer of your proposal. You do not need to repeat those answers on this page.
aspects	of your proposal. You do not need to repeat those answers on this page.
The	of your proposal. You do not need to repeat those answers on this page. purpose of this project is to provide a means of introducing Fly
The Ash	of your proposal. You do not need to repeat those answers on this page. purpose of this project is to provide a means of introducing F1; as a raw material into the cement kiln feed. A 150 ton storage
The Ash will	purpose of this project is to provide a means of introducing Flaces as a raw material into the cement kiln feed. A 150 ton storage be placed along side the existing clinker storage silos. Fly
The Ash will will from	purpose of this project is to provide a means of introducing F1; as a raw material into the cement kiln feed. A 150 ton storage be placed along side the existing clinker storage silos. Fly be delivered by pneumatic tanker trucks. Fly Ash will be meter the tank by a dust tight screw feeder into a pneumatic convey:
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12.	Location of the proposal. Give sufficient information for a person to understand the precise
	location of your proposed project, including a street address, if any, and section, township, and
	range, if known. If a proposal would occur over a range of area, provide the range or boundaries
	of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if
	reasonably available. While you should submit any plans required by the agency, you are not
	required to duplicate maps or detailed plans submitted with any permit applications related to this
	checklist

The location is at the Ash Grove Cement Plant located at	÷
3801 East Marginal Way South; Seattle, WA 98134; adjacent	t
to the existing clinker storage silos.	
	3)

B. ENVIRONMENTAL ELEMENTS

4			_
1	- 21	-	_
	Ea	١.	

- a. General description of the site (circle one) Flat, folling, hilly, steep slopes, mountainous, other:
- b. What is the steepest slope on the site (approximate percent slope)? two percent
- c. What general types of solls are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland. Hydraulic dredge fill overlying alluvial sands and silts with glacially consolidated sandy silt at considerable depths, about 200 feet below the existing ground surface elevation.
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

no

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

none

- Could erosion occur as a result of clearing, construction or use? If so, generally describe.
 no
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? Approximately 40 percent is presently impervious. This will remain unchanged as the equipment will be located on existing concrete footings.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
None required as there will be no excavation.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, Industrial, wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

During construction, minor fugitive dust may be generated due to construction activity.

During operation dust will be emitted from the process, but will be controlled below permitted amounts by the fabric filter dust collectors.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

no

c. Proposed measures to reduce or control emissions or other impacts to air, if any:
The process is vented by fabric filter dust collectors.

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The Duwamish River flows along the west border of the plant site.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.
 no
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

none

	4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.
	no
-	
	5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
	6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.
· . · . · . · . · . · . · . · . · . · .	no
b.	Ground:
	 Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose and approximate quantities if known.
·	no`,
). 	2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the general size of the systems, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans-the system(s) are expected to serve.
	none
c.	Water Runoff (including storm water):
	1) Describe the source of runoff (Including storm water) and method of collection and

 Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Storm water runoff will continue to be collected in the existing plant storm water system.

	no
d.	Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
	none .
i. Pi	ants
a.	Check or circle types of vegetation found on the site:
	 x deciduous tree: alder, maple, aspen, other x evergreen tree: fir, cedar, pine, other
,	x shrubs x grass pasture
*	crop or grain wet soil plants: cattail, buttercup, builrush, skunk cabbage, other water plants: water lily, eelgrass, milfoll, other
	other types of vegetation
b.	What kind and amount of vegetation will be removed or altered? none
c.	List threatened or endangered species known to be on or near the site.
	none
,	
d.	Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
	none
5. A	nimals
a.	Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:
	none Birds: hawk, heron, eagle, songbirds, other:
	,

	Mammals: deer, bear, elk, beaver, other:
	Fish: bass, salmon, trout, herring, shellfish, other:
Э.	List any threatened or endangered species known to be on or near the site. none '
С.	Is the site part of a migration route? If so, explain.
	no
đ.	Proposed measures to preserve or enhance wildlife, if any:
	none
	Constitution of the second of
Ξn	ergy and Natural Resources
а.	What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.
	Electricity will be used to power dust collection and conveying equipment.
D.	Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.
	no .
С.	What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: none

6.

7		-1			Health
/	r-n\	лгоп	men	паі	HPAIII

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

Exposure to fugitive dust.

1) Describe special emergency services that might be required.

none

2) Proposed measures to reduce or control environmental health hazards, if any:

Fugitive dust will be controlled by means of fabric filter dust collectors.

- b. Noise
 - 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Various pieces of heavy machinery are located at the plant site.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

A fan and two blowers will be added.

3) Proposed measures to reduce or control noise impacts, if any:

The blowers will be equipped with silencers.

- Land and Shoreline use
 - a. What is the current use of the site and adjacent properties? heavy manufacturing
 - b. Has the site been used for agriculture? If so, describe.

no

c. Describe any structures on the site.

At the site are a 14 foot diameter cement kiln, 260 foot tall preheater tower, raw material silos, clinker storage silos and shed, cement storage silos, raw mill building, finish mill building, packhouse building, motor control centers, plant office and sales office.

d. Will any structures be demolished? If so, what?

no

e. What is the current zoning classification of the site?

General Industrial 1 (IG 1)

- f. What is the current comprehensive plan designation of the site?

 Industrial
- g. If applicable, what is the current shoreline master program designation of the site?
 Urban Industrial (UI)

	h,	Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
		no
	i.	Approximately how many people would reside or work in the completed project?
		none
		·
*		
	J.	Approximately how many people would the completed project displace?
,		none
	٠	
		TO THE THEORY OF THE PARTY OF T
	k.	Proposed measures to avoid or reduce displacement impacts, if any:
		not applicable
•		· · · · · · · · · · · · · · · · · · ·
	1.	Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
		not applicable
9.	Ho	pusing
	a.	Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
		not applicable
		·
	b.	Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

11

not applicable

	c.	Proposed measures to reduce or control housing imp	acts, if any:
		not applicable	•
		egge ek	11.11 may 1
			ž.
10.	Aes	sthetics	
	a.	What is the tallest height of any proposed structure principal exterior building material(s) proposed?	e(s), not including antennas; what is the
•		67 feet, painted steel plate	
. et	L	18/L-8 vious in the immediate violation violation of the other	or abateuatod?
	b.	What views in the immediate vicinity would be altered	or obstructed?
		none	A CONTRACT OF THE PARTY OF THE
			+-11
	c.	Proposed measures to reduce or control aesthetic im not applicable	pacts, if any:
Grant F. J.			
et ur fe		Marian de la company de la com	AND STATE OF THE S
11.	Цg	ht and Glare	
	a.	What type of light or glare will the proposal produce?	What time of day would it mainly occur?
		none	
.,			
			,
	b.	Could light or glare from the finished project be a safe no	ety hazard or interfere with views?
	c.	What existing off-site sources of light or glare may affer	ect your proposal?
		none	\$ **
٠.		·.	

	d.	Proposed measures to reduce or control light and glare impacts, if any:
		none
	_	
12.	Re	creation
	a.	What designated and informal recreational opportunities are in the immediate vicinity?
		none
		none
	b.	Would the proposed project displace any existing recreational uses? If so, describe.
. 25	86	union faret ne di fusicipi della il reservata di quali faret servata di se
		no
•		
		Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
- :		not applicable
		•
13.	His	storic and Cultural Preservation
	a.	Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.
		no
	L	Constally describe any landon discount of the second of th
	b.	Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.
		does not apply
	4	en de la companya de La companya de la co

	c.	Proposed measures to reduce or control Impacts, if any: does not apply
14.	Tra	Insportation
	a.	Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.
		East Marginal Way serves the site. Access is by way of an existing driveway entrance at the northeast corner of the property.
		- Profession (American September 1995年) - Profession (American September 1995年) - American September 1995年) - Am
7.	b.	Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
		No. The closest transit stop is 1000 feet away.
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	C.	How many parking spaces would the completed project have? How many would the project eliminate?
		Will not change from current levels.
45.7 25.7	d.	Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

e. Will the project use (or occur in the immediate vicinity of) water, rall, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

None. The increase in tanker truck traffic will be matched by a decrease in clay truck traffic.

	g. Proposed measures to reduce or control transportation impacts, if any:
	none
15.	Public Services
	a. Would the project result in an increased need for public services (for example, fire protection, police protection, health care, schools, other)? If so, generally describe.
	no .
	b. Proposed measures to reduce or control direct impacts on public services, if any.
	not applicable
	The season of th
16.	Utilities
	a. Circle utilities currently available at the site: electricity natural gas water refuse service, telephone sanitary sewen, septic system, other.
. •	b. Describe the utilities that are proposed for the project, the utility providing the service, and service, and the general construction activities on the site or in the immediate vicinity which might be needed.
	none

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:

Date Submitted:

February 10, 1994

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS.

(Do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substance; or production of noise?

Small amounts of fugitive dust will be emitted from the baghouse. A new fan and two blowers will generate some additional noise.

Proposed measures to avoid or reduce such increase are:

A fabric filter baghouse with a conservative (4:1) air to cloth ratio will be installed. The blowers will be equipped with silencers.

P. How would the proposal be likely to affect plants, animals, fish, or marine life? The proposal will have negligible impact.

Proposed measures to protect or conserve plants, animals, fish, or marine life are: not applicable

3. How would the proposal be likely to deplete energy or natural resources?

The proposal will result in a negligible increase in energy consumption of the plant.

Proposed measures to protect or conserve energy and natural resources are:

The benefit of this project is that it will use fly ash in the manufacture of Portland Cement. The fly ash is currently being placed in a landfill.

4.	How w	vould t	the	proposal	be	likely	to	use	or	affect	enviror	nmentally	sensitive	areas	or	areas
7.00	designa	ated (o	r eli	gible or u	nde	rstudy	/) fc	r gov	/err	nmenta	I protec	tion; such	n as parks,	wilder	nes	s, wild
	and sc	enic rh	vers	, threater	ed i	or end	lan	gered	sp	pecies	habitat,	historic	or cultural	sites,	wet	lands,
	floodpla	ains, o	r pri	me farmia	inds	?										

does not apply

Proposed measures to protect such resources or to avoid or reduce impacts are:

does not apply

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

does not apply

Proposed measures to avoid or reduce shoreline and land use impacts are:

does not apply

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

It will not increase demand in transportation or services.

Proposed measures to reduce or respond to such demand(s) are:

none

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

doe snot apply







